

SEQUENCE LISTING

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 YAMADA, Katsushige
 OBRIEN , John Philip
 FAHNESTOCK , Stephen R.

<120> SILK THREAD CONTAINING SPIDER SILK THREAD PROTEIN AND
 SILKWORM PRODUCING SAID SILK THREAD

<130> 5374-0101PUS1

<140> US 10/585,742

<141> 2006-07-12

<150> PCT/JP2005/000619

<151> 2005-01-12

<150> JP 2004-005489

<151> 2004-01-13

<160> 14

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<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide derived from spider thread protein

<400> 1

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Ala	Gly	Arg	Gly	Gly	Leu	Gly	Gly	Gln	Gly	Ala	Gly	Ala	Ala	Ala	Ala
			20					25					30		
Ala	Ala	Ala	Gly	Gly	Ala	Gly	Gln	Gly	Gly	Leu	Gly	Ser	Gln	Gly	Ala
			35				40					45			
Gly	Gln	Gly	Ala	Gly	Ala	Ala	Ala	Ala	Ala	Ala	Gly	Gly	Ala	Gly	Gln
			50			55					60				
Gly	Gly	Tyr	Gly	Gly	Leu	Gly	Ser	Gln	Gly	Ala	Gly	Arg	Gly	Gly	Gln
65					70					75					80
Gly	Ala	Gly	Ala	Ala	Ala	Ala	Ala	Ala	Gly	Gly	Ala	Gly	Gln	Gly	Gly
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Tyr	Gly	Gly	Leu	Gly											
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Gly	Gly	Ser	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Gly	Ser	Gly	Gly	Ala	Gly	
			20					25					30			
Gly	Ala	Gly	Gly	Ser	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Gly	Gly	Tyr	Gly	
			35				40					45				
Ser	Gly	Ala	Gly	Ala	Gly	Ser	Gly	Ala	Gly	Ala	Gly	Ser	Gly	Ala	Gly	
	50					55					60					
Ala	Gly	Ser	Gly	Ala	Gly	Ala	Gly	Ser	Gly	Ala	Gly	Ala	Gly	Ser	Gly	
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<211> 33

<212> PRT

<213> Bombyx mori

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Cys																

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<211> 35

<212> PRT

<213> Bombyx mori

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Ala	Tyr	Thr	Asn	Ala	Asn	Ile	Asn	Asp	Phe	Asp	Glu	Asp	Tyr	Phe	Gly	
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Ser	Asp	Val														
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<212> DNA

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<223> Chemically synthesized primer

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<223> Chemically synthesized sequence

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<223> Segment in the natural spider thread protein, spidroin2

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<223> Segment in the natural spider thread protein, spidroin2

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